

Date: Mon, 20 Dec 93 04:02:22 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1484
To: Info-Hams

Info-Hams Digest Mon, 20 Dec 93 Volume 93 : Issue 1484

Today's Topics:

 "Dr. Swanso" utility with Packet ?
 Daily Summary of Solar Geophysical Activity for 17 December
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 Kraco SSB CB Information Please
 NEUTEC SM1645, programming help
 Order Pizza by Internet
 packet bbs
 Subscription

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 Dec 93 06:53:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: "Dr. Swanso" utility with Packet ?
To: info-hams@ucsd.edu

I'd like to put together a system that would help blind and visually
impaired hams take better advantage of packet. Other hams in
the local repeater club could also benefit.

My idea is to somehow integrate the "Dr. Swanso" utility of
Soundblaster with a macro that would announce
callsigns in the Mail Beacon over the repeater every so often.

"Dr. Swanso" would read the text and convert it to voice

routed into the mic jack and would monitor the
'busy' led of the xcvr so as not to transmit while the
channel is busy. At any time, a user would be able to
hit a few touch-tones and "read" his mail. (At this point, the "Dr. Swanso"
utility would actually read the body of the subject and text).
Granted, not hi-fi but it works.
Has anyone on the net heard of others who have worked on similar
systems ? I want to build it around an 8051 controller card and initially
it will be a receive-only system. (Packet to voice).
I'd be happy to hear any feedback/ideas...

- Rich
WB2JBS
rharel%fab8@sc.intel.com

Date: Sat, 18 Dec 1993 06:43:03 MST
From: mvb.saic.com!unogate!news.service.uci.edu!usc!math.ohio-state.edu!
cyber2.cyberstore.ca!nntp.cs.ubc.ca!cs.ubc.ca!scapa.cs.ualberta.ca!adec23!ve6mgs!
usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 17 December
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

17 DECEMBER, 1993

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(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 17 DECEMBER, 1993

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 351, 12/17/93
10.7 FLUX=083.8 90-AVG=098 SSN=047 BKI=3432 3333 BAI=015
BGND-XRAY=A2.3 FLU1=5.7E+06 FLU10=1.2E+04 PKI=3333 4333 PAI=016
BOU-DEV=021,044,023,016,035,025,030,023 DEV-AVG=027 NT SWF=00:000
XRAY-MAX= C2.0 @ 2028UT XRAY-MIN= A1.5 @ 1259UT XRAY-AVG= B2.1
NEUTN-MAX= +002% @ 2130UT NEUTN-MIN= -003% @ 2250UT NEUTN-AVG= -0.0%
PCA-MAX= +0.1DB @ 0950UT PCA-MIN= -0.3DB @ 1535UT PCA-AVG= -0.0DB
BOUTF-MAX=55356NT @ 2357UT BOUTF-MIN=55325NT @ 2021UT BOUTF-AVG=55347NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+062,+000,+000
GOES6-MAX=P:+126NT@ 1821UT GOES6-MIN=N:-067NT@ 1003UT G6-AVG=+085,+022,-031

FLUXFCST=STD:080,082,082;SESC:080,082,082 BAI/PAI-FCST=012,020,015/016,022,020
KFCST=4443 3211 2233 4544 27DAY-AP=009,005 27DAY-KP=3411 2222 2212 2221
WARNINGS=
ALERTS=**SWEEP:IV=1@2039UTC(N07E43)
!!END-DATA!!

NOTE: The Effective Sunspot Number for 16 DEC 93 was 44.0.
The Full Kp Indices for 16 DEC 93 are: 1+ 3+ 3+ 4o 4- 4- 3+ 4-

SYNOPSIS OF ACTIVITY

Solar activity became low due to a long duration C2/SN flare at 17/2029Z from Region 7635 (N02E39). At press time, a report was received from the Culgoora observatory that a Type IV may accompany this flare (STD: a weak Type IV was confirmed from this event). No sunspot dynamics were observed in this region and the mixed polarities observed yesterday weakened. Region 7637 (N07W18) ceased the growth noted on 16 Dec and stabilized.

Solar activity forecast: solar activity should return to a very low level. The long duration C2 flare mentioned above is characteristic of a decaying region and additional or larger events are not likely.

The geomagnetic field was unsettled to active for the entire period as the coronal hole related disturbance slowly subsides. Again today, some high latitude stations experienced minor to major storming.

Geophysical activity forecast: unsettled to active conditions should be experienced through 18 Dec as the current coronal hole disturbance decays. A filament related disturbance is expected to begin on 19 Dec and continue into 20 Dec resulting in mostly active levels for that interval.

Event probabilities 18 dec-20 dec

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 18 dec-20 dec

A. Middle Latitudes
 Active 30/30/25
 Minor Storm 10/20/10
 Major-Severe Storm 01/05/05

B. High Latitudes
 Active 30/30/25
 Minor Storm 10/20/10
 Major-Severe Storm 05/10/05

HF propagation conditions were below-normal over the high and polar latitude paths. Enhanced geomagnetic and auroral activity has been responsible for producing generally poor to occasionally very poor conditions, particularly on night-sector high-latitude paths. Middle and low latitudes were less disturbed and retained near-normal propagation with increased levels of night-sector fading and some signal distortion. Conditions are not expected to improve over the next 24 hours. A filament-related disturbance should keep propagation conditions below-normal over the high and polar latitude paths, with an outside chance for producing below-normal conditions for middle latitude paths. Night sectors will continue to see the strongest degradation. Some gradual improvements should begin to be observed on 19 and 20 December.

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LISTING OF SOLAR ENERGETIC EVENTS FOR 17 DECEMBER, 1993

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
0728	0728	0728					150		
1948	2039	2150	7635	N07E43	C2.0	SF			IV

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 17 DECEMBER, 1993

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
17/ 1948	2039	2150	N07E43	LDE	C2.0	122		1

INFERRED CORONAL HOLES. LOCATIONS VALID AT 17/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS									
	EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
53	S42W23	S52W28	S18W78	S17W68	005	ISO	NEG	022	10830A

54 S03E58 S10E52 S07E47 S01E53 264 ISO POS 001 10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
NO EVENTS OBSERVED.										

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Uncorrelated:	0	0	0	0	0	0	0	0	000	(0.0)

Total Events: 000 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
NO EVENTS OBSERVED.								

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

★★ End of Daily Report ★★

Date: Sun, 19 Dec 1993 18:20:36 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!
bwehr@network.ucsd.edu
Subject: Famous HAMS
To: info-hams@ucsd.edu

I am looking for a list of famous HAM's. I know there are some out there but
have no where to look for them. So if you know of any please E-Mail any to
me. Thanks ---- 73

-Brant

Brant Wehr NOUTT
internet bwehr@iastate.edu
Activities Director CARC
Electrical Engineering

--
Brant
bwehr@iastate.edu

Date: Sat, 18 Dec 93 19:39:01 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
newsserver.jvnc.net!a3bee2.radnet.com!cyphyn!randy@network.ucsd.edu
Subject: Heathkit user's nets?
To: info-hams@ucsd.edu

Tune in on 3885kc +/- sloppbucket qrm nitetimes, and you'll hear several guys on
who get into it on older rigs.

Also try 7290kc daytimes

--
Randy KA1UNW If you get a shock while
 servicing your equipment, "Works for me!"
randy@192.153.4.200 DON'T JUMP! -Peter Keyes
 You might break an expensive tube!

Date: Sun, 19 Dec 1993 17:35:05 GMT
From: netcomsv!netcom.com!jfh@decwrl.dec.com
Subject: Internet White Pages or BBS?
To: info-hams@ucsd.edu

Is there a White Pages service reachable via telnet somewhere? I know about the callsign server, but that doesn't provide the same information.

Is there a BBS I can telnet to? There are some BBS's that work via mail, but telnet would be much better.

— —

Jack Hamilton POB 281107 SF CA 94128 USA
jfh@netcom.com kd6ttl@w6pw.#nocal.ca.us.na

Date: Sun, 19 Dec 93 21:42:23 GMT
From: newshub.nosc.mil!nosc!pegasus!rbc@network.ucsd.edu
Subject: KH6SP Re-Activation
To: info-hams@ucsd.edu

>>>>>>>>>*****KH6SP Full Time Re-Activation*****<<<<<<<<<<

Efforts are now underway to restore KH6SP, the Naval Amateur Radio Club of Pearl Harbor, as a full time amateur radio club. The club will tentatively begin operation in early 1994. A permanent location has been secured on Ford Island in building 76 (Ford Island Medical Clinic) - a historic WWII Pearl Harbor site. Current plans are to set-up for 2M packet and limited HF operation in March 94. Club membership will be open to all active duty, reservist, retired military, and their dependents.

A meeting will be scheduled for early January to elect club officers and establish a charter. Persons interested in becoming a member or donating equipment are urged to contact WH6OI (Bruce Carleton) or WH6OH (Brett Collars) at the addresses below.

As the club will NOT be funded by Morale, Welfare and Recreation (MWR) we are desperately seeking the following items for the club:

- * members
- * more members
- * a 2M mobile xcvr capable of packet operation
- * a suitable antenna for above

- * a PK-88 or equivalent TNC
- * 40-80 MB IDE hard drive
- * 1 MB RAM (need 4 256K simms)
- * other misc items (coax, connectors, etc)

For more information please contact:

Voice

Bruce Carleton 808-472-7394 (work) or 808-456-0423 (home)

or E-mail to:

Internet: KH6SP@pegasus.com

Compuserve: 72322,2473

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|___ ___|          |          rbc@pegasus.com          | | |
| |__)|__)|        |          rbc@gnu.ai.mit.edu        |
| | \ |__)| Carleton | carleton@nstcpvax.navy.mil |
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Date: 19 Dec 1993 17:58:38 -0000

From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!pipex!uknet!acorn!not-for-mail@ames.arpa

Subject: Kraco SSB CB Information Please

To: info-hams@ucsd.edu

Tom Bodoh (bodoh@dggs.cr.usgs.gov) wrote:

: In article <2er28k\$9mm@cyberspace.com>, jrw@cyberspace.com (John Russell Woodman) writes:

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: |> I have a Kraco 23-channel single sideband base station CB, model KB-2355.
: |> The manufacture date is June, 1976. The radio works fine, and I just put
: |> an Antron 99 with it, so it works that much better. However, meters tell
: |> me that, while the match is 1:1 across the frequency spectrum, it's not
: |> putting out the full 4 watts AM and 12 PEP sideband. Could someone tell me
: |> how to peak this radio up so I can get maximum output on it? If possible,
: |> please supply information on peaking tx power, tx modulation and rx sens-
: |> itivity. Any information on how to get this radio to perform to optimum
: |> capacity would be appreciated. Please respond in mail rather than posting.
: |>

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: Posting this here is like walking into a cop bar and asking directions to
: the local crack house...

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Tom,

I think you may have misunderstood what the poster is asking. He doesn't want to exceed the legal power limit, he just wants to have the rig "peaked" right up to the limit. (To avoid testing and adjusting every single rig they make, manufacturers allow for

component tolerances etc such that the all the rigs they make are well within spec. The means that the majority of rigs are quite a bit below spec on power and mod.)

"Peaking" is a perfectly normal procedure. Any reputable repairman will do it for a small fee, or perhaps for nothing if you are having a repair done at the same time.

-- Steve
--

Steve Hunt Email: steve@acorn.co.uk IRC handle: Daff
Acorn Computers Ltd, Acorn House, Vision Park, Histon, Cambridge CB4 4AE
"Personally, I'm against people who give vent to their loquacity by extraneous
bombastic circumlocution" -- Monty Python

Date: Fri, 17 Dec 1993 00:30:04 GMT
From: pa.dec.com!nntpd.lkg.dec.com!ryn.mro4.dec.com!dabean.enet.dec.com!
klimasewski@decwrl.dec.com
Subject: NEUTEC SM1645, programming help
To: info-hams@ucsd.edu

A friend of mine wants to know if anyone can help with programming this
130-174MHz transceiver.

Thanks,
Ken N1KK

Date: Sat, 18 Dec 93 20:52:21 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
newsserver.jvnc.net!a3bee2.radnet.com!cyphyn!randy@network.ucsd.edu
Subject: Order Pizza by Internet
To: info-hams@ucsd.edu

Now that Amateur Radio can be used to order pizza, why not via the I-net too?

Originally the FCC rules about no commercial traffic was to protect Ham air
from being gobbled up by Commercial Intrests who'd get a Ham ticket and then
go do commercial transmitting.

Now, the rules are softened, to account for real world conditions-of-use, and
so if you had to call someone who answers on telephone with:

" Willies Wash House..." ... you won't be in violation about commercial
traffic!

So same, about 'incidental music' that may be hearable in the back ground due to it being so loud (such as a ham covering a sports event as safty spotter, and a band is there doing music)

The rules on music, were intended to prevent commercial BC stations from using Ham tickets/ Ham air to broadcast with.

(ya sure! go tune in 40 mtrs at nite!)

The rules were softened to allow for that, too.

OK....sence that even includes the shorty music passages that come in with the shuttle launches, its clear just what FCC really wants concerning 'commercial traffic'....NO FREEBIES via Ham air allowed for Commercial Intrests.

NOW..we have the problem of Internet traffic connecting up to Ham air... Many amp.org sites and others, will reject any I-net mail being sent to a Ham thats getting his/her mail via Packet..... because I-net is viewed as 'commercial traffic' !

Hey! wait a minute! There are ticketed Hams here! Whats going on? You try to reply by mail (the approved way to use the net) and if it is routed thru someone packet station..ZZZT! FAILED MAIL! So same if someone ON packet mails TO an I-netter (even if BOTH are Hams) So, a one way mail occurs, and after a while I-netters tend to reguard Ham-sent-from-packet messages as unreplyable to, and have to adopt a policy of 'we don't want anything to do with em'...which defeats the perpose of one of the aspects of Ham radioing....(talk to other Hams!)

Many of us, sick n tired of all the malicious qrm and crowding on the air; don't dare do anything but CQ! CQ! CONTEST! CONTEST! ...can't have a tech discussion without someone blocking you off....have turned to internet to carry out our qso's ...like right here, in these news-groups and much of the resulting private mail it generates.....or WOULD generate...

...AHH! but only if it's between 2 I-netters and no packet-people are involved. Can't send packet-people any mail. nope!

So...somewhere, someone has to make clear what traffic is to pass, make it uniform everywhere, so that everyone can set up accordingly to jive with the system...which ever it's going to be:

-> Let I-net email back to packet-people as 3rd party traffic *

-> 100% cut the 2 apart and so avoid all the bugs...remove temptation to even try at all

...none of this one way jazz.Thats for the birds...and besides, it would

violate the rule about one way transmissions! :)

* obviously, the sent-text would have to be as per the rules about by & for
Amateur perposes only

--

Randy KA1UNW	If you get a shock while	
	servicing your equipment,	"Works for me!"
randy@192.153.4.200	DON'T JUMP!	-Peter Keyes
	You might break an expensive tube!	

Date: 19 Dec 1993 08:29:15 -0800
From: sdd.hp.com!sgiblab!darwin.sura.net!udel!news.sprintlink.net!news.world.net!
cyberspace.com!cyberspace.com!not-for-mail@network.ucsd.edu
Subject: packet bbs
To: info-hams@ucsd.edu

I am looking for a packet bbs or another type of ham bbs that I can telnet
into. I s there one?

Date: 20 Dec 93 05:38:21 GMT
From: news-mail-gateway@ucsd.edu
Subject: Subscription
To: info-hams@ucsd.edu

Subscribe

Date: 17 Dec 1993 19:05:12 -0500
From: psinntp!satelnet.org!satelnet.org!usenet@uunet.uu.net
To: info-hams@ucsd.edu

References <9312151601.AA00556@ganges.agro.nl>, <2enveu\$hob@reznor.larc.nasa.gov>,
<1993Dec16.162631.2208@den.mmc.com>lnet.
Subject : Re: how to scare away birds from my antenna

In <1993Dec16.162631.2208@den.mmc.com> boutell@pogo.den.mmc.com (Russell E
Boutell) writes:

>In article <2enveu\$hob@reznor.larc.nasa.gov> kludge@grissom.larc.nasa.gov (Scott Dorsey) writes:

>>In article <9312151601.AA00556@ganges.agro.nl> G.POLDER@CPRO.AGRO.NL writes:

>>>I'm thinking of scaring away birds from my antenna

>>>using ultrasound. I ever heard about people doing it,

>>>but don't know what frequency to use, or which

>>>output power.

>>

>>Why bother? With something like a yagi, they might affect the antenna

>>pattern a bit, but as soon as you put the key down, they aren't going to

>>stay there for very long. With a dipole they'll just affect the tuning

>>a little bit, and again they will quickly decide to move when you apply

>>power.

>>--scott

>>

>>--

>>"C'est un Nagra. C'est suisse, et tres, tres precis."

>I haven't tried it myself, but I have heard that the fake owls placed in
>the vicinity of the antenna are effective in alleviating the "bird on
>the wire" problem :-)

>73 de WD0FTF (I think I'll keep my old call)

I have a friend who has hung a beach-ball with a face painted on it
from his beam. Seemed to do the trick until a neighbor shot it with
a gun and deflated it. I have successfully used the owl trick at
my business. We had a terrible problem with pidgeons. Bought the
owl mail-order from Brookstone a few years ago, the owl has held up
fine and the pidgeons have never returned.

73 de Rick, KN4CV - Ft. Lauderdale

Date: 17 Dec 1993 09:09:28 -0600

From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
gatech!concert!corpgate!crchh327.bnr.ca!kharker@network.ucsd.edu

To: info-hams@ucsd.edu

References <drew.95.0@trl.oz.au>, <2er4on\$f1b@wuecl.wustl.edu>,
<CI6MLC.Iqo@world.std.com>n

Subject : Re: Where are all the young enthusiasts?

Well, I thought I'd throw my two bits into this. I'm a college student as well,
and as far as I know, the first active student ham Dartmouth College has had in

several years. We do have a club station, but that has stayed alive only because of a faculty member who is a ham has taken care of it.

I got into ham radio this past year because of the digital modes available. I'm a CS major, and when I read an article about packet in a free computer magazine I got, I had to get involved. And I've had a very good time with my activities so far.

But there are a few things I have been disappointed with. First and foremost is the cost of the hobby. I've been licensed for four months, and I have still not saved up enough money to get even my first radio. I have been active only because I have been able to borrow the club's 10 year old 2m handheld until I can afford a radio. But one of the really sad things is that when I went for my license, I studied the code and passed the 5wpm test - but as I have been interning away from school (and the club HF station) ever since I got my ticket, I have yet to make a cw contact. By the time I do get in front of an HF rig, I'll have forgotten the code. In fact, I can't imagine when, in the next five years or so, that I'll be able to get my own real HF rig. It's just way too expensive.

One of the other things I would really love to do, and I think is one of the more exciting aspects of the hobby, is satellite communications. But when am I ever going to be able to afford that sort of equipment? Five, six years from now?

I guess until then, I'm going to have to remain satisfied with packet activity and experimentation. I am interested in trying to build new user interfaces for the packet network, and in providing new features for the network. But again, if I can barely afford to get an HT, a cheap TNC, a computer (which Dartmouth requires all undergrads to buy, anyway), and a C compiler, how am I going to start experimenting? It takes two to tango on packet, and trying to get radio companies to donate equipment has so far proven impossible (yes, I have been trying.)

Now, sure, someone can say that you can get on the air for <\$100. But what does that get you? A QRP CW-only kit with a homebrew antenna and a straight key. While I am looking into this option as the only conceivable way I'll have my own HF rig before 1998, this is not going to attract young people to the hobby. And I have plenty of friends at school who have trouble deciding if they can afford certain textbooks, much less anything like radio.

To sum this up, if I had known how expensive amateur radio was before I passed my tests, I very well might have decided not to get involved.

Kenneth E. Harker
N1PVB

"I do not speak
for BNR"

kharker@bnr.ca
kenneth.harker@dartmouth.edu

End of Info-Hams Digest V93 #1484
